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This experiment was started in 1911

Lathburdes Experimental Station

most serious of the four newer perennial weeds was given. This week the other three will be discussed, namely: Heavy Crane, Russian Knap

The seriousness of these other three weeds is not to be minimized. Hoary Cree, in many sections, is a more serious threat than Field Bindweed. It is generally considered that Hoary Cree is more resistant to repeated cultivations than is Field Bindweed, and it requires more chemical to bring about a kill. This weed is known as "white-top" in some localities, due to its profusion of small white flowers when in flower.

also has deep perennating rootstocks. The Leithbridge Experimental Station is co-operating with farmers throughout the district in the eradication of this weed. A. Graum, a farmer who had a three-acre block of Hoary Cree cultivated this area regularly a few days after emergence, and although the second year has just ended, it will be necessary to wait until next spring for a final check-up. From the appearance

of the land this fall, a probable 95 per cent kill has been effected. No doubt, this will require special treatment next year to prevent re-infestation.

Russian Knapweed does not seem to have become so widely established

the Field Bindweed or Hoary Creeper. Nevertheless, it is a weed to be recognized with wherever it occurs. This plant may be identified by its resemblance in general to the alfalfa plant. It has button-like purplish-blue flowers and deep black roots. On small

Experimental plots of Russian Kuznetsov were used under the direction of this Station, some very good results were secured with Carlson Bisulphide. Three small plots were treated with this chemical on July 24, 1939. All plants were apparently dead within six weeks, and since it was impossible to find a viable plant on these plots on June 1, 1940, the plots were dug up and seeded to oats. The oats germinated nicely and produced a fair crop. The cost of this chemical

Leafy Saurce may be recognized by its sickly yellowish-green color and almost total absence of flowers. Its creeping roots are light brown in color and are very tough and sinewy. Considerable leafy stems of this weed

in southern Alberta exists on marginal lands which are subject to drifting, and so the Experimental Station has undertaken to find out

SEEDTIME and HARVEST

By
Dr. K. W. Neebly
Director, Agricultural Department
North-West Line Elevators Association

Seed Grain

New Seed is purchased for one or more of the following reasons:

1. To maintain purity;
2. To adopt a new or different variety;
3. To begin growing a new or different crop;
4. Because crop was damaged by frost, sprouting, etc.

When buying new seed it is always wise to buy the best available. This of course, means buying registered seed if possible, and, if not, certified seed.

To maintain purity, it is not necessary to buy a sufficient quantity of expensive seed to replace the old entirely the first year. It saves money to sow a seed plot with pure seed, and to take every precaution against the occurrence of volunteer plants.

the same crop and against mechanical mixing. Suppose that a farmer commonly has 10 acres in wheat; a few acres of alfalfa and clover will usually provide ample seed for the next year. The plot selected should be uniform and free of weeds and other fifteen to twenty rods, preferably further, from other wheat. Exercise extreme care in harvesting and storing the seed.

If a new variety is to be adopted, the same practice may be followed, though even greater care should be observed. It is not safe to rely on volunteer seed. It is seldom necessary to replace a variety completely in one year. A thorough cleaning of the seed the next year can usually be accomplished at much cheaper.

If frost, sprouting, or some other cause has injured the seed, the entire farm, and resources do not permit the purchase of enough seed, it may be necessary to buy all seeds, then at least a few bushels for a seed plot should be obtained.

Every unknown weed on the farm should be a serious enemy, and should be considered as such until it is identified. The Experimental Station, Lethbridge, will gladly identify any complete weed sample which is sent in, and will also be glad to advise as to the best control measures to adopt concerning it.

Mountain Standard
Thursday, February 27
 8:00 p.m. CBC String Orchestra.
 9:30 " On Parade.
 10:00 " Choristers.

5:30 " NBC Symphony Orchestra.
6:00 " The National News.
6:30 " Red River Barn Dance.
7:00 " Musical Mirror.

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HARROW PLOWS

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The Community Club held its February meeting at the home of Mrs. Murray. Mrs. Bleser, Presi-

subjects, it was decided not to hold the Bingo Game until March 1st. Mrs. Hudson had charge of the programme.

Roll Call was answered by Valen-

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